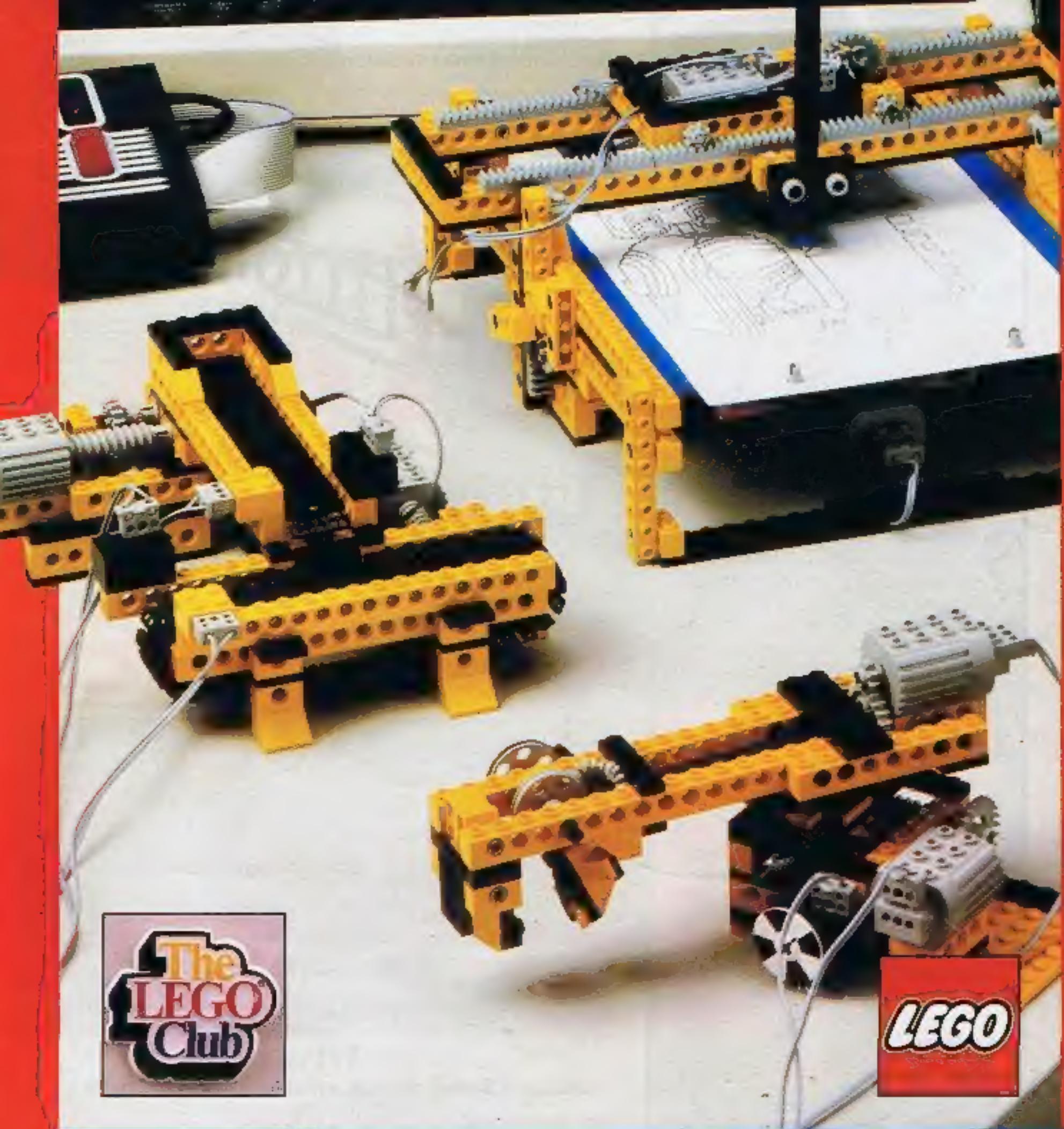


BRICKS & PIECES

The Official Magazine of the LEGO® Club Summer 1986



PRESIDENT'S LETTER



Dear Member,

This issue of our Club Magazine has a rather new look. More colourful, more lively, more interesting, we believe. We wonder what you will think of it?

Why not write and tell us your views. Which 2 or 3 pages or articles do you like best - and which ones least?

Remember it is your magazine so we can make it the way you want it. Just tell us, and if there is general agreement in several letters we will try to change things to suit you.

Personally, I think the magazine looks great, but I am sure that Sue Lister who edits it will be much more interested in your views than in mine, so why not drop her (or me) a line?

We look forward to hearing from you.

Best wishes

Clive Nicholls
Club President

Bricks 'n' Pieces Magazine
Editor Sue Lister
Reporters Meryl Haggarty, Shan Ryder
The LEGO Club
Wrexham, Clwyd LL13 7TQ.
0978 266949.

Cover photograph
shows the co-ordinate plotter from
the new LEGO TECHNIC control
range for use in schools.
See above for more details.

■ COMPUTER ■ ■ CONTROLLED SETS ■ ■ FOR SCHOOLS ■

Just imagine being able to build a complex working model that is controlled by computer!

There are some new sets available this September which do just that - but only for use in schools.

They have been specially developed for the **LEGO Educational Division** which offers sets to teachers as part of a Control Technology Course, complete with software and a specially developed interface.

This whole exciting development has been fully tested in schools and our picture shows some of the things students have worked on.

It is amazing what this combination of computers and **LEGO** bricks can do. Perhaps you should ask your teacher if he or she knows about it. (They can get full details from **LEGO Educational Division** at Wrexham).

1 *Kate and Rebecca manually control their LEGO plotter to calculate the orders needed for the computer programme.*

2 *'Feral B' is a washing machine developed by Dan, Peter and Stephen. The model doesn't look very exciting perhaps, but what it does is fantastic. It has a 2-speed drum for wash or spin cycles. A second motor alters the gearing automatically to change from one speed to the other and a safety cut-out stops the cycle as soon as the door is opened.*

~~Competition~~
Time WIN
YOUR OWN COMPUTER



1st PRIZE

Sinclair Spectrum ZX with Robotek Interface unit

Make & Program your own Robot Book

LEGO TECHNIC KITS 8050, 8710, 1175, 1104

Prizes sponsored by Beaver Books



■ COMPUTER ■ CONTROLLED MODELS ■ FOR YOU ■

If you like the sound of the computer controlled model sets designed for schools, described opposite, then you may like to know you can build your own at home too. There is a book available called "**Make & Program your own Robots**" by William Clark, which tells you how to go about it.

This book shows you how, by using your **LEGO TECHNIC** sets and a home computer you can build and control several fascinating machines in just a few hours.

Step by step instructions are included for 7 projects including, a walking android, a whirly plotter, and a robot arm. The kits needed to start you off are the **TECHNIC set 8050** and supplementary **box 8710**. As you progress through the book you will need additional motors and parts which are available from the **LEGO** Spares Service in Wrexham.

Simple programs are included in the book so that you can control the robots. You don't need any electrical or computer skills to start but once you've made the models in this book you'll be able to develop fantastic robots of your own.

The book is available in shops, or you can order it direct from the printer by using the enclosed insert.



Whirley Turtle - uses parts from 8700 and 8710 - can be programmed to draw circles, squares, and stars.



Walking Android - uses just one motor and parts from kit 8700 and 8710.

Here is your chance to win a **Spectrum ZX Computer** AND a **Robotek interface unit** along with a bumper **LEGO TECHNIC collection** and a book containing all the instructions needed for you to build and control your own machines and robots.

As well as this great first prize we have 20 runner-up prizes of packages of "**Make & Program your own Robots**" Book and **LEGO TECHNIC Set 8050** to win.

To win one of these prizes we want you to:-

1

Design a machine that can automatically feed your Pet and which could be computer controlled.

2

Explain what orders you would give to the machine in order to operate it. Send us your photos and/or drawings of your machine with notes of the instructions to make it work.

Make sure your photos and drawings are clear as our model makers will be building and testing the winning entries to make sure your pet won't be going hungry.

Send your entry to:

The LEGO Club
Wrexham
Clwyd LL13 7TQ

before August 22nd.

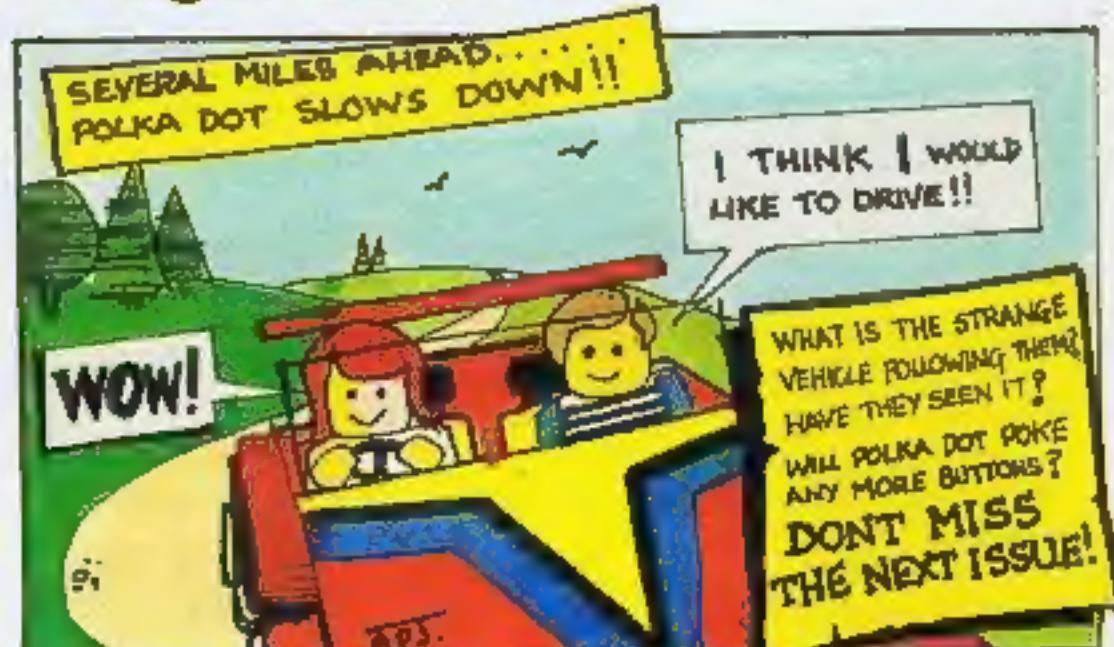
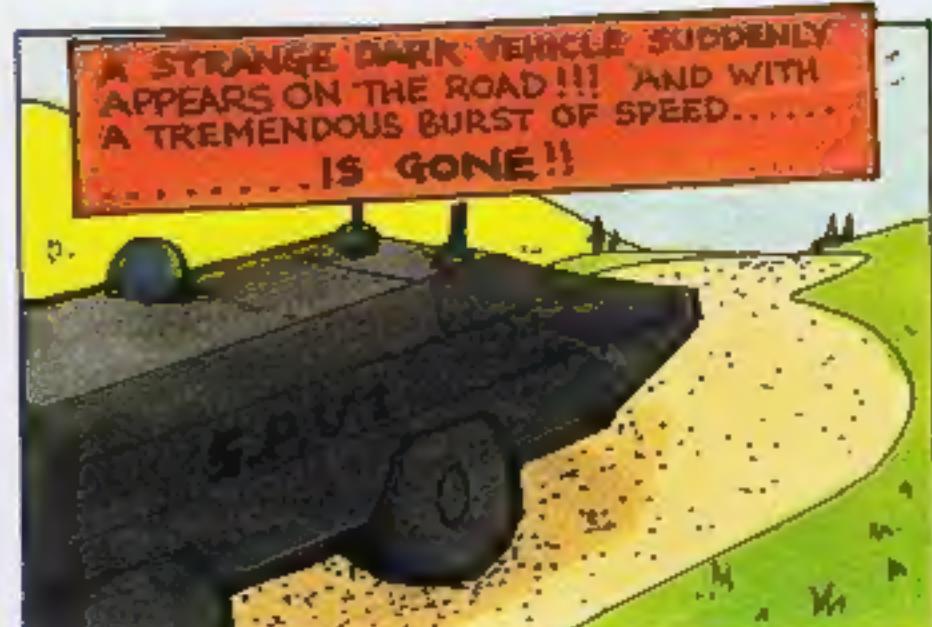
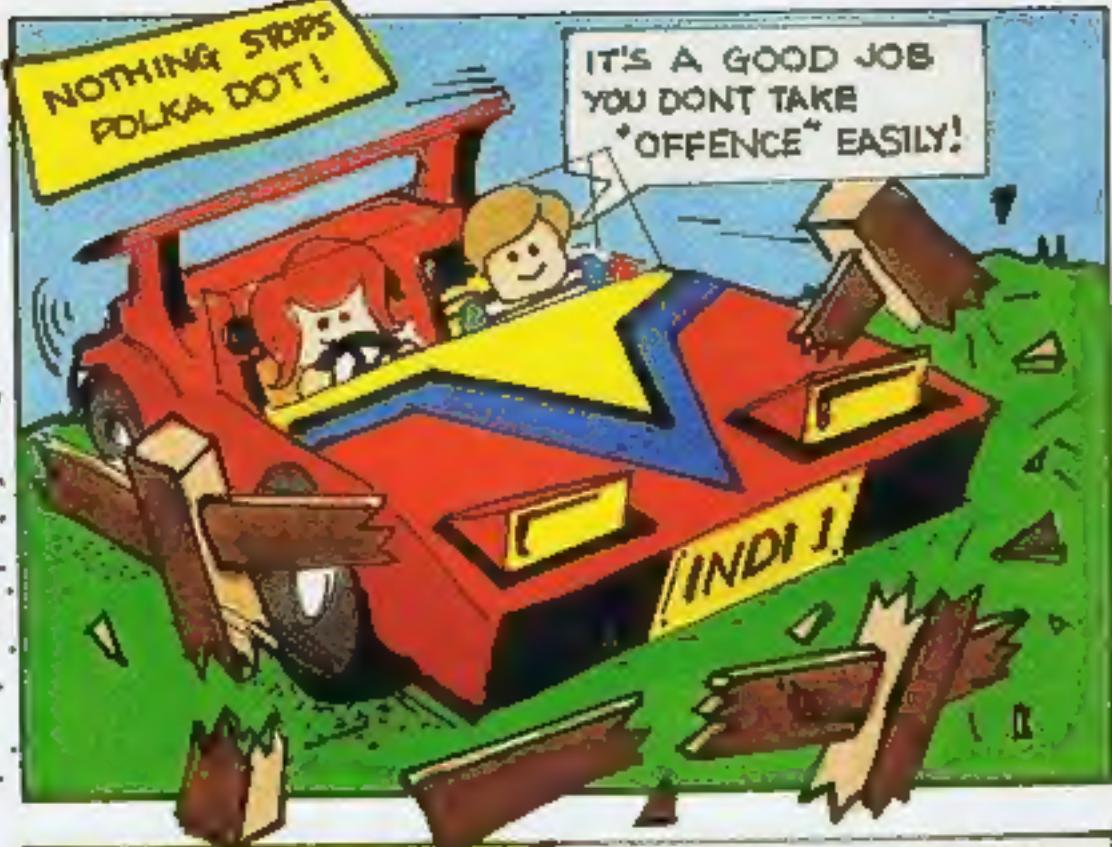
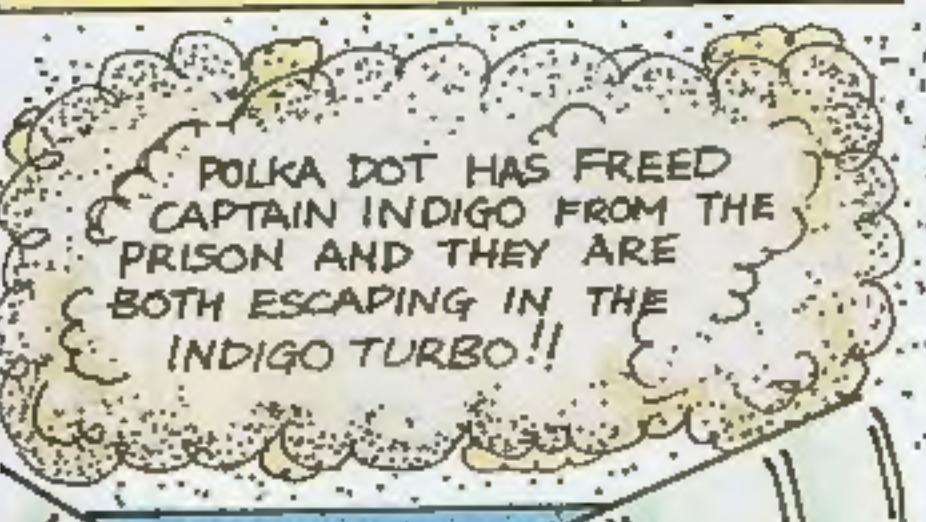
REMEMBER

to mark everything with your name, address and age.

The winners will be announced in the autumn edition in October and the winning entry will be built and reviewed in the Spring 1987 edition.

GOOD LUCK

CAPTAIN INDIGO



Building

BIG



SEE
PAGE 10
FOR A
SPECIAL OFFER
FOR CLUB MEMBERS
VISITING THE

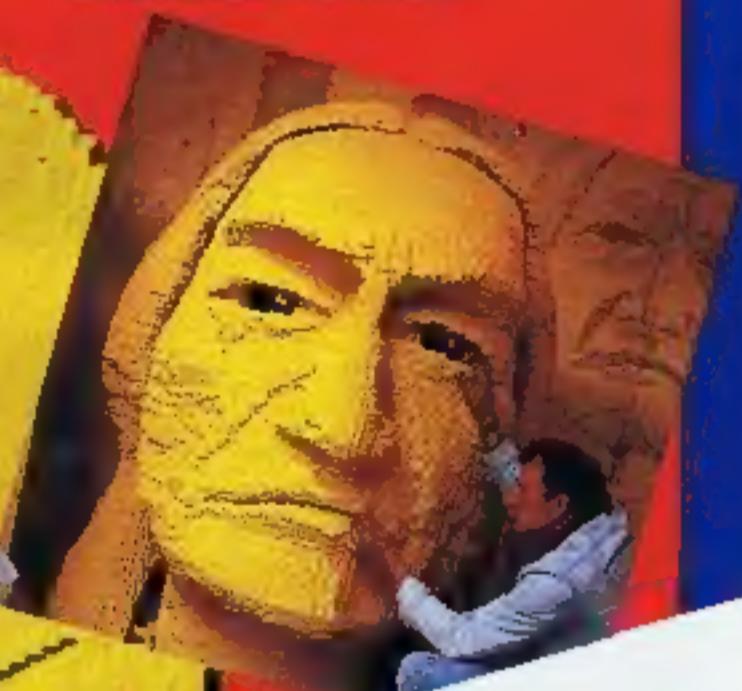
Legoland
PARK

Two years of concentrated work, one and a half million LEGO bricks, and LEGO Sculptor, Bjorn Richter. These are the ingredients used for the latest new addition to the LEGOLAND Park, a giant figure built entirely from LEGO Bricks - of Sitting Bull, the famous Red Indian Chief - will be in position overlooking the LEGOREDO village when the 1986 season begins on May 1st.

Bjorn Richter is already known for his previous creations in the LEGOLAND Park which include the huge Mount Rushmore model showing the faces of American Presidents. Bjorn decided to build Sitting Bull as this will be the first monument in the world to this great Indian Chief who was the last rebel against the suppression of the Indian people and a great fighter for peace.

The model was built in yellow bricks but it will be painted stone colour before going on display on a plateau overlooking LEGOREDO village. The finished model, which will have a feather headdress will stand 14 metres tall and weigh just over half a ton.

Club Members lucky enough to visit the LEGOLAND Park this summer can also see a special exhibition on Red Indians.



Tommy Tortoise
AND HIS LEGO LEG



Thank you Andrew Ware from Pymstock, Plymouth for writing in with a story he had seen on his local television.

After the tortoise had crushed his leg in a door, the vet attending to him decided to amputate the leg and replace it with a LEGO plate and wheel. After the operation Tommy was able to move along really fast with his LEGO leg.

Tommy's owner has been given a breakdown kit in case the tearaway tortoise needs a wheel change.



Award Winners

6

William Hartley
age 12 - from Preston had the idea for this model after getting a table tennis set as a present.

Philip Welding
age 8 - from Leicester built this model of a ship after he had seen one on T.V.

David Bickers
built this very well designed model. The road lifts up to let the ships pass through and is powered by his LEGO pneumatic kit.

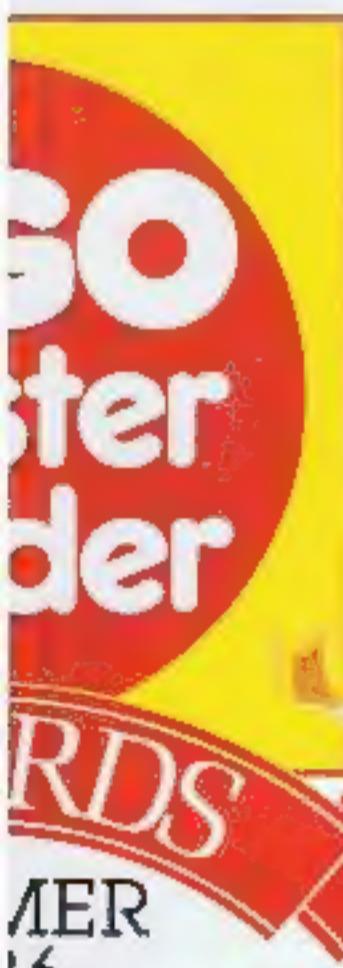
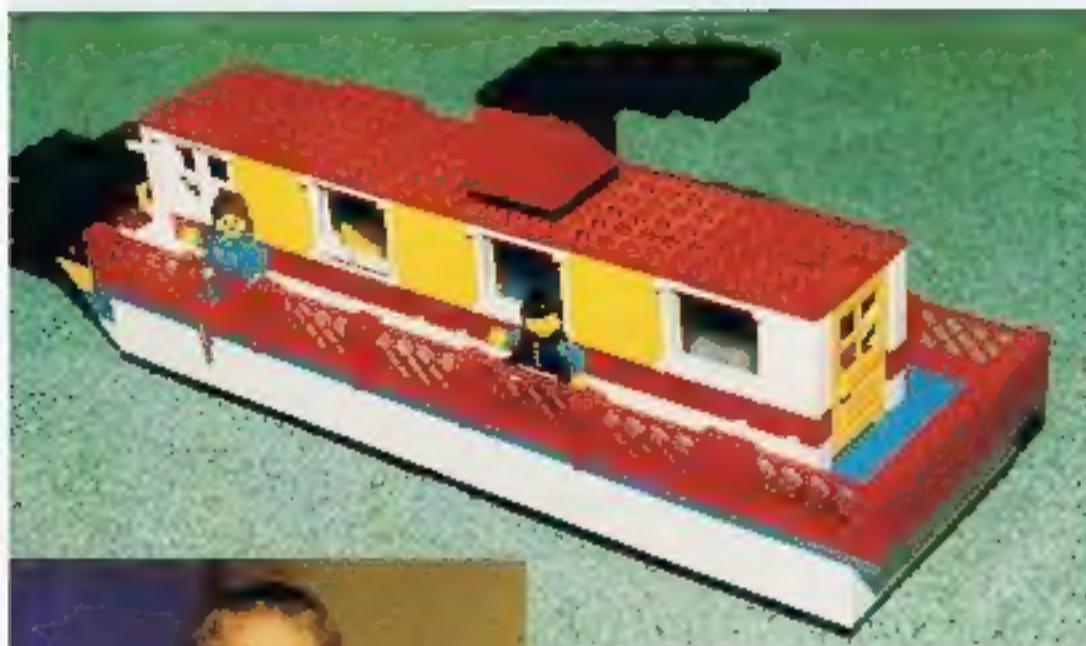
Max White
age 5 - a super little model from Max.

Luke Perry
built this model of a car and trailer after visiting the 1985 Motor Show. Luke's car has working steering and a 1-cylinder engine.

Richard Stuart
age 9 - based this model on his own real microscope.

WELL DONE TO YOU!

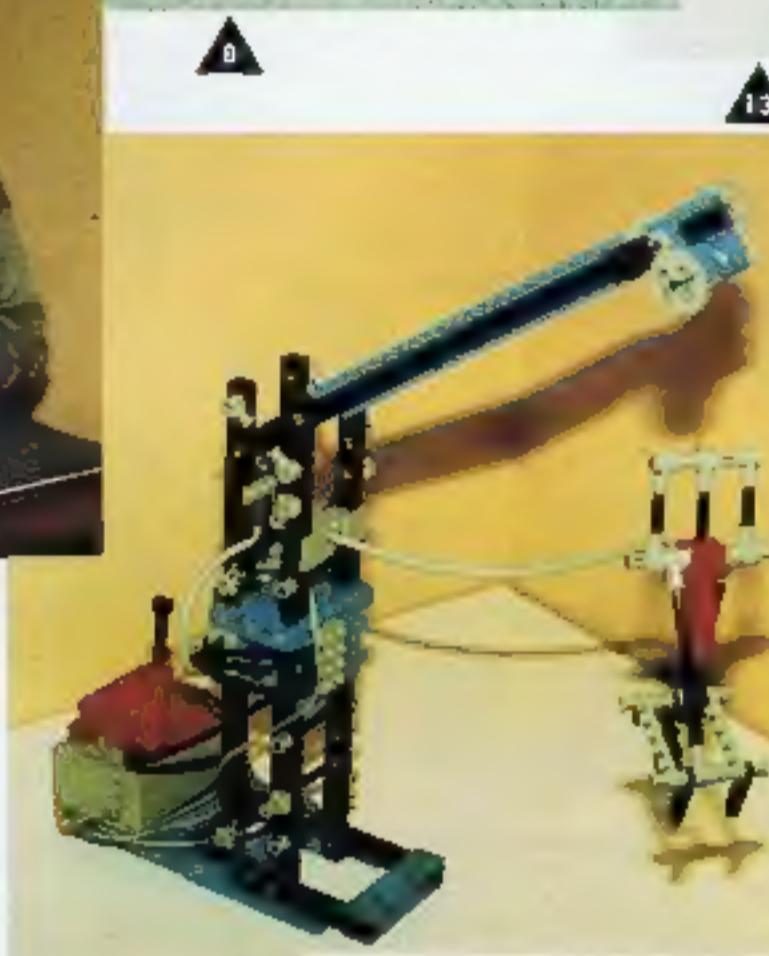
A "Golden" Master Builder member whose models are photographed in this magazine, and how you built it, and send your Master Builder entry to your local LEGO Bricks' shop.



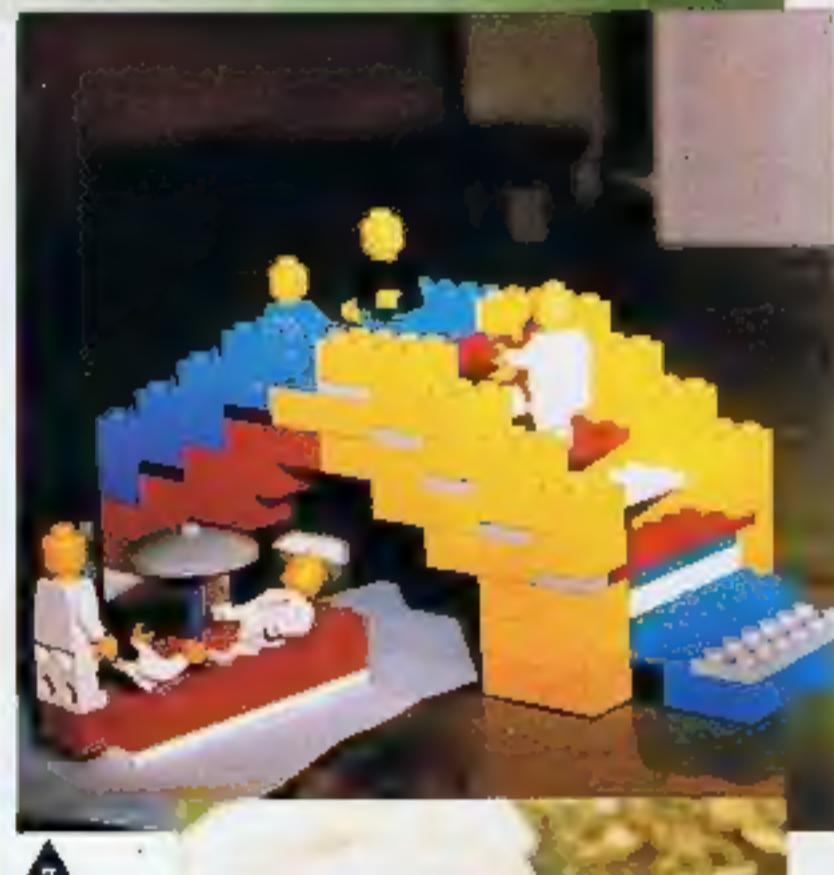
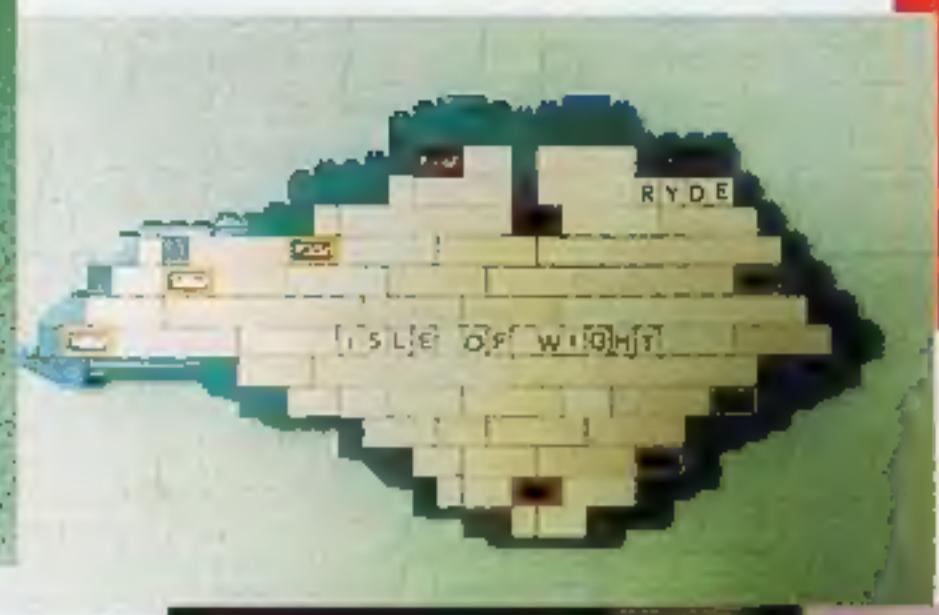
edge goes to each of the down here. If you have a send it in telling us why you too could become a shown in the next issue of *aces*.

▲ Jonathan Hague
age 8 - sent us this model of a punt going under a ridge on the River Cam.

▲ Barry Littlemore
age 9 - thought he would build this model of a 'houseboat' after passing one on the River Thames.



▲ 12



▲ 7



▲ 9

▲ John Hutton
age 12 - a beautiful model, beautifully photographed.

▲ Jamie Shelton
model of a crane is motorised and stands 30cm tall. It has a pneumatic grab and can carry a maximum weight of 1/2lb.

▲ Alex Mordue
had a little help from his Dad to build this model of a television camera man.

▲ Matthew Morris
had the idea for this amusing model after watching a film.

▲ David Forster
sent us this well thought-out model of the Isle of Wight, the main towns on the Island light up and the names are from an old LEGO set his older brother bought nearly twenty years ago.

Hard luck to those who didn't get in BUT keep sending in those photo's could be a YOU WINNER next time

OUR WINNERS

Castle Draco Competition WINNERS

We do hope that the **Castle Draco** competition did not prove too difficult for you. A number of enquiries have been made about Leeds Castle. Some of you thought the castle was in Yorkshire but in fact it is in Kent. However, this didn't fox many of you, we have had thousands of correct entries making it difficult to choose the winners.

Here are the winners:

DAVID ANDERSON, Hill-of-Beath, Fife
LAWRENCE NEWLAND, Reading
THOMAS GEORGE, Harpenden
WAYNE SMITH, Northolt
NICHOLAS BUNKER, Louth
DANIEL WHITTAKER, Lincoln
DAVID ANDERSON, Guisborough
BEN TEMPLE, Chesterfield

HEATHER WOOD, St-Leonards-on-Sea
JAMES MACDONALD, Stourbridge
IAN ROBINSON, Solihull
SIMON ROWETT, Prestwood
SARAH PUMMELL, Rickmansworth
TERRY PADGET, Eastbourne
ANN-MARIE, Shepperton
ANDREW NORTON, Walthamstow

DAVID BLACKWELL, Ware
MARK DICKINSON, Ellesmere Port
DARREN MALLETT, Tiptree

HOT NEWS

Club Members, James Summerbell and Alexis Bouras, have been very busy recently writing their own **LEGO** magazine called **Hot News**.

Hot News comes out every month and contains reviews on new **LEGO** sets, comic strip adventures and lots of jokes and puzzles. James and Alexis write and draw all the features themselves and print the magazine for circulation among their school friends. Our congratulations to **James & Alexis** for an excellent magazine. Both have been awarded their Master Builder Award.



STOP PRESS

LEGO WORLD SHOW FOR DUBLIN AT CHRISTMAS

Members in Ireland will get a chance to see the Space Travel **LEGO** World Show in Arnotts, Henry Street Store, Dublin from November 14th - January 10th.

More details in the next issue.

FUN RUN

LEGO Club member **Mark Short** of Durham is proud of his **LEGO** T-Shirt and wore it to run in the Spennymoor Round Table Junior fun run.

After completing the 5-mile course, **Mark** received a commemorative medal.



DUFFY'S PAGE

Hello Chums

Since our last issue I have had great fun producing several large murals (flat pictures) **Murals not Muriels**. Here is one I built for the coffee bar of one of our exhibition stands.

A good way of building shadows.

Look at the grid.



Shading on the coffee pot lid.

What a relief, you might say, to work flat out on a giant LEGO picture - so study the photos for good ideas, and its on the starting grid for the ...

MOSAIC Building Competition

We want to see what sort of pictures you can build. You can build mosaics in two different ways, either build the picture into a "Wall of bricks" or build the picture on a base plate with studs uppermost.

You should send a photograph of your entry to:

**Mosaic Competition,
LEGO Club, Wrexham, Clwyd, LL13 7TQ,**

to arrive before 13th August. Don't forget to tell us your age as there will be prizes for the best entries in each age group (8 years and under; 9 years and over).

If you can't get a photograph of your mosaic then draw us a picture on squared paper - with one square representing a LEGO brick - and colour it in LEGO colours. We look forward to seeing your entries.

Yours flatly,

Duffy



Use of different types of bricks to create interesting textures.



Telethon Cheque

This is only one stud thick. I built it lying flat on a sheet of wood - not me - the picture, silly.

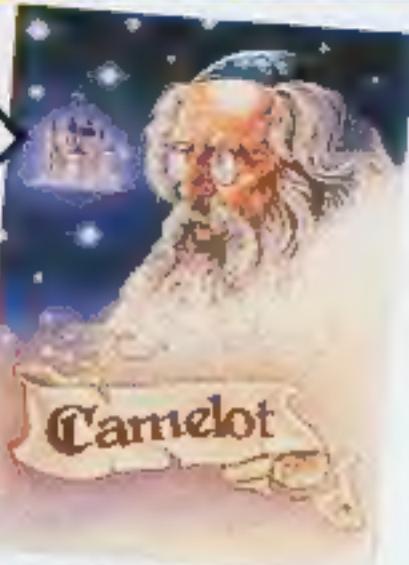
Look at the background. I've mixed white and yellow to get tones: light & dark yellow.

In this edition we have negotiated special rates for **LEGO Club members** at new places to go. Club members, on production of their membership cards, will get a special reduced admission rate and will be assured of a special welcome at every one of the following locations. We hope you all try the new and existing places to go.

Places To GO

REMEMBER

Remember - always take your card with you and if you are travelling a long way check the opening times before you set off.



THE WONDERFUL WORLD OF CAMELOT

Charnock Richard, Chorley, Preston, Lancs.
The home of Puff Dragon, and the North's biggest Theme Park, with over 50 attractions. A great day out for all the family. The entrance fee enables you to enjoy all the rides free and as often as you like. There are many new attractions for 1986, including the live theatre shows and Cinema 180 and many new rides. Ample catering facilities and plenty of picnic areas and lots to photograph. If you forget your camera there is a Kodak free camera loan arrangement from the Souvenir Shop. The Park is open every day from 22nd March until October from 10 am until late. Club members can have a discount of 45p (£2.50 instead of £2.95). Club membership cards must be produced. For further details, ring (0257) 452090.

EDINBURGH WAX MUSEUM

High Street, Edinburgh

Club members will have special price of 55p instead of 70p. Open all year round. For details, ring (031) 226 4445.

BEAMISH OPEN AIR MUSEUM

Stanley, Co. Durham

Beamish is an Open Air Museum in County Durham which recreates northern life as it was around the turn of the century. Buildings from the region have been rebuilt at Beamish and fitted out as they once were, to show visitors how the people of the North of England lived and worked. This exciting venture is unlike most people's idea of a museum. Visitors are given every opportunity to enter the buildings and homes, to touch or handle exhibits and, in fact, one of the museum's publicity phrases is 'Experience Beamish'.

A new development for 1986 is a reconstructed 1920's town street, which joins the many other exhibits, which include HOME FARM, a COLLIERY, STATION and TRANSPORT COLLECTION. Beamish is open daily in the Summer and closed Mondays in the Winter.

LEGO Club members pay £1.00 instead of £1.50 on production of their membership cards.

Tel: Stanley (0207) 231811.



SAVE
45p

BALA LAKE RAILWAY

Bala, Gwynedd

Club members can travel on the railway at half fare when accompanied by a paying adult. The railway operates from April to September. For details, ring 06784 666.

HALF PRICE

MODEL VILLAGE

Babbacombe, Torquay, Devon

Club members get a 10p reduction on production of their Club membership cards. For details, ring 0803 386669.

SAVE
10p

BLAIR DRUMMOND SAFARI AND LEISURE PARK

Near Stirling

Club members can enter free of charge when accompanied by two paying adults. The park is open from April until October, 10 a.m. until 4.30 p.m. For details, ring (0786) 841456.

FREE

LEGOLAND PARK - DENMARK

Club Members visiting the LEGOLAND Park this summer can collect a free LEGOLAND Park poster from the "LEGO BUTIK" in the Park. The posters usually sell at 15 Danish Kroner (just over £1) each but are free as a special deal for **LEGO CLUB** Members.

There are four posters to choose from featuring the Boat Ride, The Indian Chief, The Space Shuttle, and the Dutch miniland scene. Remember to take this voucher with you as you will need it to claim your poster.



Legoland

This voucher entitles the bearer to collect a free **LEGOLAND** Park Poster (usual price 15DKR) from the **LEGO BUTIK** in the **LEGOLAND** Park in Denmark.

This voucher is only valid in the **LEGOLAND** Park, Denmark before 31.12.86.

SAVE
50p

WINDSOR SAFARI PARK

THIS VOUCHER IS WORTH THE NORMAL £1 OFF ADMISSION PRICE FOR ONE ADULT OR CHILD

£1 OFF



SAVE
10p

DEAN FOREST RAILWAY

Treorchy, Rhondda, Mid-Glamorgan

The Dean Forest Railway is situated on the edge of the Royal Forest of Dean, near Lydney, in Glos. Established in 1970 the Railway has now become an established attraction in the area, attracting some 50,000 visitors a year. The Steam train gives unlimited rides to visitors for some 2½ miles, whilst the site offers other amenities such as a museum, photographic display, a souvenir shop and hot and cold snacks in the restaurant car on steam days. Visitors are encouraged to walk around the site to see the restoration work being carried out on other locomotives, passenger coaches and wagons belonging to the steam era of the 1920's/30's. Ample provision for car parking and pleasant riverside walks together with picnic area.

LEGO Club members are entitled to a 10p discount on child admission (60p instead of 70p).

For further details, ring (0443) 773280.

WINDSOR SAFARI PARK

Winkfield Road, Windsor, Berks SL4 4AY

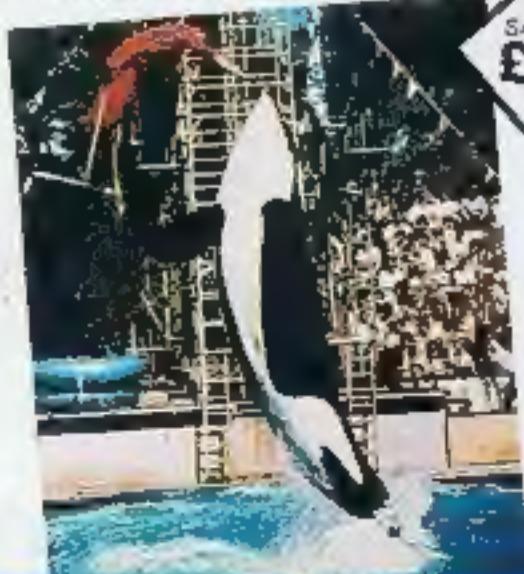
More to see and do than ever before at Britain's most exciting Safari Park. Major improvements have been carried out in the Mansion House, Burger Bar and Safari Lodge, and new attractions for 1986 include:

- New Walk-through Tropical Plant and Butterfly House
- New Chimpanzee Enclosure
- New "Noah's Ark" Adventure Playcentre
- New Brown and Black Bear Reserve
- and a unique New African Tiki Show

PLUS Lions, Tigers, Giraffes, Llamas, Camels, Baboons, Rhinos, Elephants and many more animals roaming free, to be seen from the safety of your coach or car. Don't miss feeding time! See the famous Dolphin and Killer Whale Show, the Parrot Show, Sealion Show, and "Birds of Prey" Show. (Summer only). Entry to all shows, "Noah's Ark" Adventure Play-centre, Children's Zoo, "Rainbow" soft play centre and acres of picnic areas is free as all attractions are covered by a single all inclusive admission charge. Catering facilities include fast food cafeterias, licensed bar and refreshment kiosks. Club members have a reduction of £1.00 off the entrance fee on presentation of the special voucher enclosed in this magazine.

Tel: Windsor (0753) 869841

SAVE
£1



club shop



1902 Technic Rally Cap 45p
1919 New LEGO Stickers 15p
1917 LEGO Club Patch 30p

1910 T-Shirt Age 6 Chest 56cm Length 46cm £3.00
1911 T-Shirt Age 8 Chest 60cm Length 50cm £3.00
1912 T-Shirt Age 10 Chest 64cm Length 55cm £3.00
1913 T-Shirt Age 12 Chest 70cm Length 70cm £3.00

1931 LEGO Club Pen £1.50
A Sheaffer ball point pen - ink colour blue (not suitable for children under 3)
1920 New Club Badge 30p

Special CLUB OFFER

This super truck is sure to look great on your bedroom wall. It's a special for LEGO Club members in the U.K. and is only available through your Club Shop. The poster is 50cm high by 70cm long and is yours for only £1.00. Please use this special order form to order the poster and the Club Shop order form to order other items from the Club Shop.

Poster



Please send me _____ poster at £1.00 each. (Price includes postage and packing)
I enclose a cheque/postal order for

£ _____ payable to:

LEGO UK Limited.

Name _____

Address _____

Postcode _____

jokes

- Q. What do you call a man with a seagull on his head?
A. Cliff. Christopher Davies
- Q. What do you call extra work for Elves?
A. Gnomework. Philip Hollowes
- Q. Doctor, Doctor, I feel like a bar of soap.
A. Well, that's life boy. Peter Jones
- Q. Why can't an elephant ride a bike?
A. Because he hasn't got a thumb to ring the bell. R. Copeman
- Q. Why is a clock shy?
A. It always has its hands in front of its face. Richard Pearce
- Q. What's green and goes up and down?
A. A gooseberry in a lift. Hannah Petty
- Patient. Doctor, Doctor, I feel like a bridge.
- Doctor. Well what's come over you? Darren Redmond
- Q. What's black and white and red all over?
A. A penguin with sunburn. Norman Wan
- Q. Why couldn't the sailors play cards?
A. Because the Captain was standing on the deck. John & Paul McCann

KEEP
SENDING
IN THOSE
JOKES

SEND TO:
THE LEGO CLUB
CLUB SHOP
WREXHAM, CLWYD LL13 7TQ

Item Number	Quantity	Price per Quantity	Total Price
1902		85p	
1910		300	
1911		300	
1912		300	
1913		300	
1917		30p	
1919		15p	
1920		30p	
1931		150	
Plus Postage and Packing			35p
Total Price			

Name _____

Address _____

Postcode _____
Cheque/Postal Order should be made payable to LEGO UK LIMITED
Please allow 2-4 weeks for delivery

BRIGHTON Exhibition Centre

From August 2nd the Brighton Exhibition Centre will be host to the very latest **LEGO WORLD SHOW** - "Travel in Space" seen in the UK for the first time.

The show contains 13 models which show the development of Space Travel through the ages from Jules Verne's early ideas for a moon ship in 1865 to the Viking Lander which recently landed on Mars to take photographs and make geological tests before transmitting the results back to earth for further analysis. The centrepiece of the world show is a fantasy display of imaginary beings and their robot helpers which took 1,480 hours to build and used 100,000 LEGO bricks.

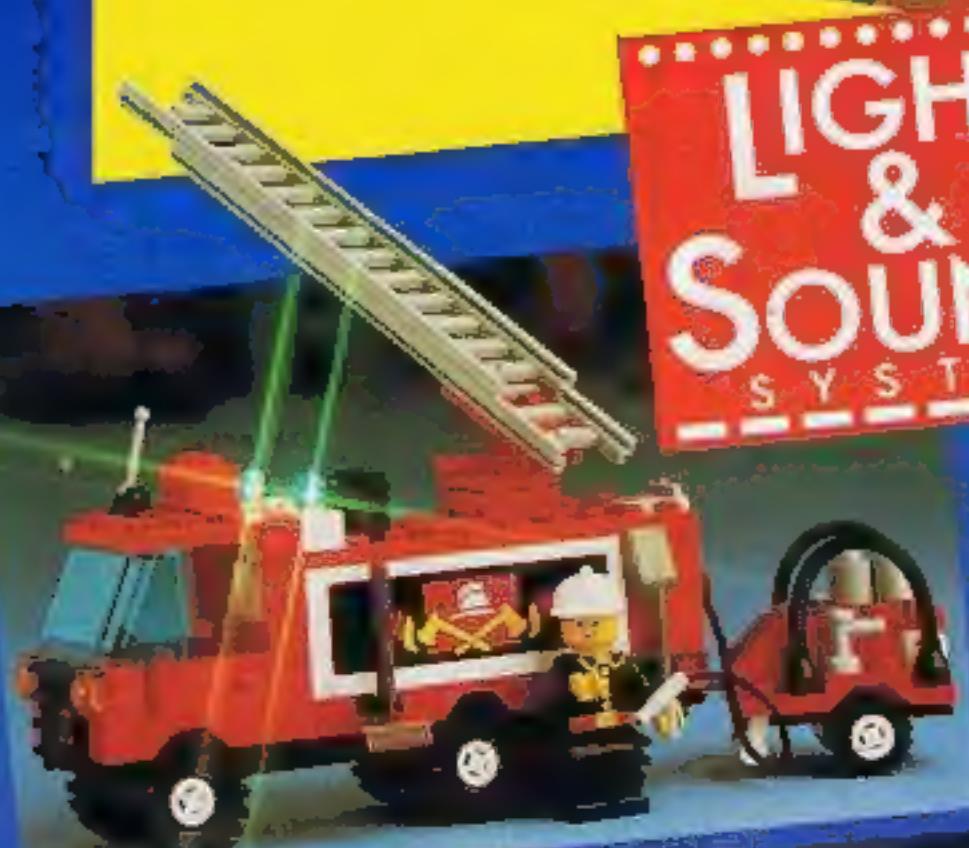
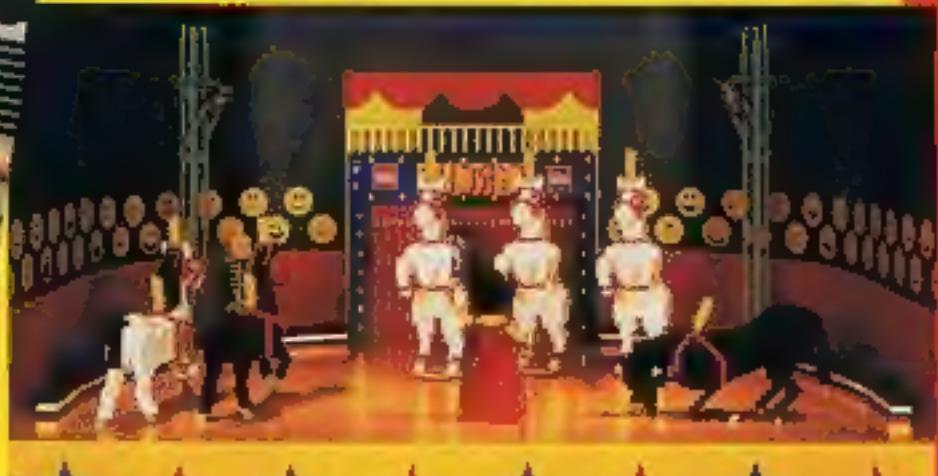
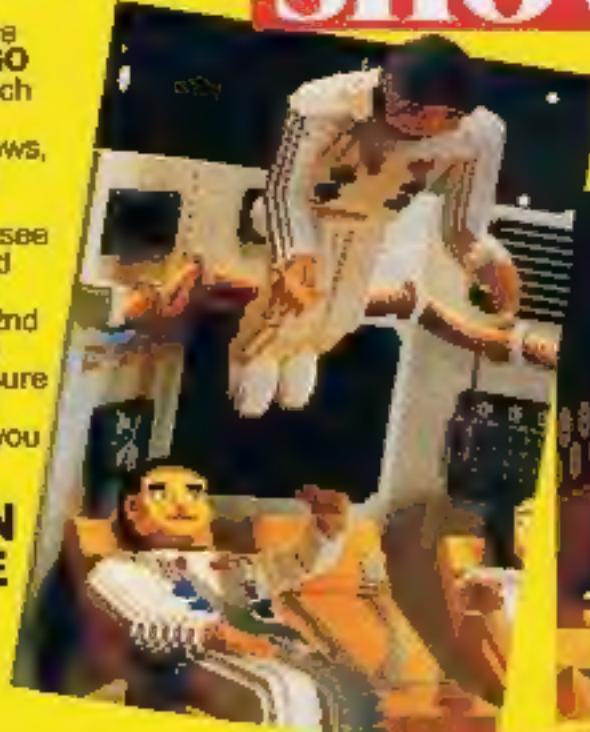
As well as these super space models there are large **LEGO** displays from Wrexham which include Duffy's Dinosaur, Peter Pan, Wind in the Willows, Wild West Scene and many many more.

There will be lots to do and see at the Brighton **LEGO** World Show, make sure you don't miss it. It's on from August 2nd to 25th. Admission is free to Club Members only, so be sure and take your Membership Card, otherwise it will cost you 50p (75p for adults).

**ADMISSION
FREE**



LEGO® WORLD SHOWS



LIGHT & SOUND SYSTEM



1986 is the year of **LIGHT & SOUND**. This is what every model builder needs to bring LEGOLAND Town and Space models to life. There are five models featuring Light & Sound. Three for LEGOLAND Space and two for LEGOLAND Town.

Available from mid-July, the Fire Engine and Police Van have two-tone sirens and different coloured covers for the lights.

The prices for these models range from around £10.00 for the Police Van and £11.95 for the Fire Engine. Also available in July will be **Magma Robot** with moveable arms, price around £11.95. The set also contains two Astronauts. The **Magma Starship** with four flashing lights and a siren completes the new sets for July. Later in the year there'll be the biggest Light & Sound model of all, the **Scorpio Modular Transporter** which will sell at around £25. The new system is powered by a 9 volt battery (not included in the set) which fits in a special battery box and the connections are made through metal strips which are already in the LEGO bricks, so there is no need to have any connecting leads trailing around the model. If you have any problems locating these new sets contact Shan at the LEGO Club.



WARRINGTON Golden Square

The LEGO World Circus Show opens in Warrington's Golden Square Centre on July 25th.

Our Danish model makers have used over 100,000 LEGO bricks to build seven circus scenes showing the different acts you would expect to see in a circus. There are acrobats, strongmen, dancing horses, and of course lots of LEGO Clowns.

The show also includes displays showing the wide range of LEGO sets currently available and a play area for some practical experimentation.

Open July 25th - August 30th

ADMISSION FREE

The beautiful Lipizzaner horses from the famous Spanish School in Vienna. This circus scene took 87 hours to complete and uses just under 5,000 LEGO bricks.